This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method for maintaining system integrity in a multiple user environment, the method comprising:

marking a first procedure associated with a first stack if the first procedure can affect a resource shared between the first procedure and a second procedure ~~"isolated"~~, wherein the first procedure is declared by ~~a~~ the second procedure associated with a second stack; and

in response to an external command associated with the first procedure to perform one of process termination and process interruption, allotting a predefined period of time for the marked first procedure to complete before executing the external command;

wherein completion of the marked first procedure allows execution of the external command without risk of data corruption in the shared resource for subsequent processes.

2-4. (Cancelled)

5. (Original) The method of claim 1, further comprising postponing execution of the external command for the predetermined period of time.

6. (Currently Amended) The method of claim ~~5~~ 1, wherein ~~the~~ allotting a predefined period of time comprises allotting a range of 4 to 6 seconds of CPU processing time.

7. (Original) The method of claim 1, further comprising issuing a message to a system console.

8. (Currently Amended) The method of claim ~~2~~ 1, further comprising terminating the first procedure and the second procedure.

9. (Cancelled)

10. (Currently Amended) The method of claim 1 [4], further comprising receiving a command to increase a resource allocation amount by a predefined amount of time if the external command is a process termination command related to the shared resource.

11. (Currently Amended) The method of claim 10, further comprising postponing execution of the ~~resource terminated~~ external command for a specified period of time.

12. (Cancelled)

13. (Currently Amended) A method for maintaining system integrity in a computer system, comprising:

associating a first procedure with a child stack, the first procedure having an associated second procedure, wherein the second procedure is a parent procedure and is associated with a parent stack; and

in response to receiving a command associated with the first procedure, permitting the first procedure to continue processing for a predetermined period of time, before executing the command;

wherein the first procedure can affect a resource shared between the first procedure and a second procedure and wherein completion of the first procedure allows execution of the command without risk of data corruption in the shared resource for subsequent processes.

14. (Original) The method of claim 13, wherein the command is one of a command to terminate and a command to interrupt the first procedure.

15. (Currently Amended) The method according to claim 14, wherein the interrupt command is issued because a time allotted to ~~a~~ the resource has elapsed.

16. (Original) The method according to claim 15, wherein the time allotted to the resource is extended for a specified period of time.

17. (Original) The method according to claim 14, wherein the first procedure and the second procedure are terminated.

18. (Original) The method according to claim 14, wherein the interrupt command is executed.

19. (Original) The method according to claim 13, wherein a message is issued to a system console.

20. (Original) The method of claim 13, wherein the child stack is comprised of at least one of a plurality of frames, wherein the at least one frame is associated with a procedure.

21. (Original) The method of claim 20, wherein the at least one of a plurality of frames are processed in order from top to bottom.

22. (Currently Amended) The method of claim 21, wherein the at least one frame is marked "isolated".

23. (Currently Amended) A method for maintaining system integrity in a computer system, comprising:

associating a first procedure with a child stack, the first procedure having an associated second procedure, wherein the second procedure is a parent procedure and is associated with a parent stack; and

in response to receiving a terminate command associated with the second procedure, terminating the first procedure;

wherein the first procedure can affect a resource shared between the first procedure and a second procedure, and wherein completion of the first procedure allows execution of the command without risk of data corruption in the shared resource for subsequent processes.

24. (Currently Amended) A system for maintaining system integrity comprising:

a memory for storing and manipulating stacks; and

a central processing unit that executes computer-readable instructions for maintaining system integrity in a multiple user environment, the computer-readable instructions including instructions for:

associating a first procedure with a child stack, the first procedure having an associated second procedure, wherein the second procedure is a parent procedure and is associated with a parent stack;

in response to receiving a command associated with the first procedure, before executing the command, permitting the first procedure to continue processing for a predetermined period of time;

wherein the first procedure can affect a resource shared between the first procedure and a second procedure, and wherein completion of the first procedure allows execution of the command without risk of data corruption in the shared resource for subsequent processes.

25. (Original) The system of claim 24, wherein the command associated with the first procedure is one of a command to terminate the first procedure and a command to interrupt the first procedure.

26. (Original) The system of claim 25, wherein the computer-readable instructions comprise further computer-readable instructions to terminate the first procedure and the second procedure if the first procedure does not complete execution within the predetermined period of time.

27. (Original) The system of claim 25, wherein the command associated with the first procedure is the command to interrupt the first procedure.

28. (Original) The system of claim 27, wherein the computer-readable instructions include further computer-readable instructions for interrupting the first procedure if the first procedure does not complete execution within the predetermined period of time.

29. (Currently Amended) A computer-readable medium containing computer-executable instructions for performing the method of:

associating a first procedure with a child stack, the first procedure having an associated second procedure, wherein the second procedure is a parent procedure and is associated with a parent stack; and

in response to receiving a command associated with the first procedure, permitting the first procedure to continue processing for a predetermined period of time, before executing the command;

wherein the first procedure can affect a resource shared between the first procedure and a second procedure and wherein completion of the first procedure allows execution of the command without risk of data corruption in the shared resource for subsequent processes.